

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| | | (scan adj path) WITH (plurality or multipl\$) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/19 10:35 |
| | | (scan adj path) near (plurality or multipl\$) and equal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/01/28 08:55 |
| | | ((scan adj path) with (plurality or multipl\$)) same length | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/01/23 08:13 |
| | | ((scan adj path) with (plurality or multipl\$)) same length | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/01/23 08:12 |
| | | ((scan adj path) near (plurality or multipl\$)) with length | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/01/22 17:55 |
| | | (scan adj path) near (plurality or multipl\$) and equal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/01/28 08:54 |
| | | (scan adj (path or cell)) near (plurality or multipl\$) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/01/14 15:58 |
| | | (scan adj path) near (plurality or multipl\$) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/01/14 15:57 |
| | | ((scan adj path) near (plurality or multipl\$)) and 714/729.ccls. and (connect\$ same (input or output)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/03/07 16:45 |
| | | (714/726.ccls.) and ((input same output same connect\$) same (scan adj path)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/08/01 10:23 |

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| | | (714/726.ccls.) and (input same output same connect\$) and scan adj path | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/08/01 10:08 |
| | | (714/726.ccls.) and (input same output same connect\$) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/08/01 10:07 |
| | | (714/726.ccls.) and input and output and connect\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/08/01 09:56 |
| | | (scan adj path) near (plurality or multipl\$) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/03/07 16:43 |
| L1 | 61 | ((("1149.1") J\$TAG) and ((TAP (test adj access adj port)) with domain) and (shift update) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/12 18:38 |
| L2 | 22 | ((("1149.1") J\$TAG) and ((TAP (test adj access adj port)) near3 domain) and (shift update) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/12 18:35 |
| L3 | 13 | "845562" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/12 18:35 |
| L4 | 12 | ((("1149.1") J\$TAG) and ((TAP (test adj access adj port)) with domain) and (shift update) and whetsel.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/12 18:39 |
| L5 | 10 | ((("1149.1") J\$TAG) and ((TAP (test adj access adj port)) with domain) and (shift update) and whetsel.in. | US-PGPUB; USPAT | OR | ON | 2005/08/12 18:57 |
| L6 | 3 | "6586981" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/12 18:58 |

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|----|------|---------------------------------|---|----|----|------------------|
| S1 | 3159 | scan adj path | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/19 10:34 |
| S2 | 3 | "5459737".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/07/30 14:16 |
| S3 | 2 | "5673277".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/07/30 15:07 |
| S4 | 3 | "5721740".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/07/30 15:33 |
| S5 | 2169 | 714/718.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/08 09:56 |
| S6 | 2416 | 714/724.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/08 09:57 |
| S7 | 718 | 714/726.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/08/01 09:54 |
| S8 | 42 | 714/729.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/07/31 07:14 |
| S9 | 246 | 714/724.ccls. and scan and path | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/07/31 10:55 |

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|-----|-------|---|---|----|----|------------------|
| S10 | 123 | ("5907562" "5459737" "5673277" "5721740" "6114892" "5544174" "5498972" "5561614" "5366906" "5379302" "5559441" "5576657" "6000050" "5991898" "6247154" "5761215" "5923676" "4894800" "5838163" "6158032" "6212656" "6212656" "4916388" "5734660" "5444715" "5450415" "5831992" "5928374" "5991909" "6249892" "6249893" "5627842" "4812678" "5471152" "5621740" "5774476" "6134688" "6163864" "6219811" "6219811" "4602210" "5428625" "5701309" "5768289" "6122762" "6178534" "4872169" "5254942" "5355369" "5369648").pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/07/31 10:56 |
| S11 | 37398 | ("5907562" "5459737" "5673277" "5721740" "6114892" "5544174" "5498972" "5561614" "5366906" "5379302" "5559441" "5576657" "6000050" "5991898" "6247154" "5761215" "5923676" "4894800" "5838163" "6158032" "6212656" "6212656" "4916388" "5734660" "5444715" "5450415" "5831992" "5928374" "5991909" "6249892" "6249893" "5627842" "4812678" "5471152" "5621740" "5774476" "6134688" "6163864" "6219811" "6219811" "4602210" "5428625" "5701309" "5768289" "6122762" "6178534" "4872169" "5254942" "5355369" "5369648").pn. scan and path and input and output | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/07/31 11:09 |
| S12 | 31 | scan same path same input same output and (("5907562" "5459737" "5673277" "5721740" "6114892" "5544174" "5498972" "5561614" "5366906" "5379302" "5559441" "5576657" "6000050" "5991898" "6247154" "5761215" "5923676" "4894800" "5838163" "6158032" "6212656" "6212656" "4916388" "5734660" "5444715" "5450415" "5831992" "5928374" "5991909" "6249892" "6249893" "5627842" "4812678" "5471152" "5621740" "5774476" "6134688" "6163864" "6219811" "6219811" "4602210" "5428625" "5701309" "5768289" "6122762" "6178534" "4872169" "5254942" "5355369" "5369648"). pn.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/08/01 09:52 |

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|-----|---------|--------------------------------------|---|----|----|------------------|
| S13 | 3 | "5428622".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/08/01 08:44 |
| S14 | 2 | "5907562".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/08/01 08:44 |
| S15 | 519 | (714/726.ccls.) and input and output | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/08/01 09:55 |
| S16 | 227 | whetsel.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/21 12:58 |
| S17 | 76 | whetsel.in. | US-PGPUB; USPAT | OR | ON | 2001/08/01 10:29 |
| S18 | 42 | 714/729.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/08/01 11:11 |
| S19 | 3 | "5757818".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2001/08/01 13:57 |
| S20 | 1 | "5056093".pn. | USPAT | OR | ON | 2001/08/01 15:55 |
| S21 | 1 | "5887004".pn. | USPAT | OR | ON | 2001/08/01 15:55 |
| S22 | 1 | "5907562".pn. | USPAT | OR | ON | 2001/08/01 15:56 |
| S23 | 1 | "4872169".pn. | USPAT | OR | ON | 2001/08/01 15:56 |
| S24 | 1 | "5428622".pn. | USPAT | OR | ON | 2001/08/01 15:57 |
| S25 | 187 | (scan adj path) near2 serial | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/01/14 14:00 |
| S26 | 1396637 | substrate | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/01/14 14:01 |

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|-----|-------|---|---|----|-----|------------------|
| S27 | 25 | substrate and ((scan adj path) near2 serial) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/01/14 14:01 |
| S28 | 1 | "3138306".PN. | USPAT | OR | OFF | 2002/01/23 06:34 |
| S29 | 3431 | scan adj path | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/19 10:34 |
| S30 | 301 | (scan adj path) WITH (plurality or multiple) and (length equal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/19 11:19 |
| S31 | 53972 | scan WITH (control controller controlled controls) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/21 09:17 |
| S32 | 713 | scan adj path WITH (control controller controlled controls) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/21 09:28 |
| S33 | 317 | scan adj path near3 (control controller controlled controls) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/21 09:29 |
| S34 | 0 | scan adj path near3 (control controller controlled controls) and "714"/\$.ccls | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/21 09:29 |
| S35 | 141 | scan adj path near3 (control controller controlled controls) and "714"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/21 09:34 |
| S36 | 2 | "5375126".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/21 10:12 |
| S37 | 51 | (scan adj path near3 (control controller controlled controls) and "714"/\$.ccls.) and scan adj path with (length equal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/21 10:16 |

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|-----|------|---|---|----|-----|------------------|
| S38 | 16 | (US-5907562-\$ or US-5768289-\$ or US-5381420-\$ or US-4602210-\$ or US-5056093-\$ or US-6242269-\$ or US-5428622-\$ or US-5717700-\$ or US-5610926-\$ or US-5606566-\$ or US-6405335-\$ or US-5953285-\$ or US-5719878-\$ or US-6158032-\$ or US-6378093-\$ or US-5815512-\$). did. | USPAT | OR | OFF | 2003/05/31 20:44 |
| S39 | 3888 | scan adj path | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/01 16:58 |
| S40 | 69 | scan adj path with active | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/01 16:04 |
| S41 | 384 | scan adj path near3 control\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/01 17:51 |
| S42 | 94 | ("6519729" "5561614" "5907562" "5459737" "5406216" "6114892" "5498972" "5544174" "5366906" "5379302" "5559441" "5576657" "5673277" "5721740" "6000050" "6292830" "6426650" "5015875" "5619511" "5715256" "5870411" "5912900" "5926519" "5936423" "6219811" "6219811" "4812678" "5719877" "5761215" "6223313" "6223313" "4855670" "5353308" "5430736" "5526365" "5606566" "5623500" "5677915" "5687312" "5710779" "6006343" "6189115" "4779273" "4513283" "5576651" "6212119" "6212119" "6239609" "5235600" "5901103").pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/06/01 17:46 |
| S43 | 706 | ((scan adj path) with (plurality plural many several multiple)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/09/29 15:42 |
| S44 | 45 | ((((scan adj path) with (plurality plural many several multiple))) and BIST | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/09/29 15:43 |

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|-----|------|---|---|----|----|------------------|
| S45 | 44 | ((scan adj path) with (plurality plural many several multiple))) and BIST and (control controller controlling) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/09/29 15:43 |
| S46 | 41 | ((scan adj path) with (plurality plural many several multiple))) and BIST and (control controller controlling) and clock | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/09/29 15:43 |
| S47 | 41 | ((scan adj path) with (plurality plural many several multiple))) and BIST and (control controller controlling) and (clock clocking clocked) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/09/29 15:44 |
| S48 | 37 | ((scan adj path) with (plurality plural many several multiple))) and BIST and (control controller controlling) and (clock clocking clocked) and pattern | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/09/29 15:44 |
| S49 | 37 | ((scan adj path) with (plurality plural many several multiple))) and BIST and (control controller controlling) and (clock clocking clocked) and (pattern with (test generate generator)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/09/30 12:59 |
| S50 | 50 | ("5617021" "5672966" "5254942" "5396170" "6055658" "5614838" "5862152" "6345373" "5515501" "5687179" "6085344" "6158035" "5663967" "6029261" "5617531" "5719879" "5925143" "6185710" "6199182" "6260165" "6442721" "6158032" "4542508" "5459737" "4894800" "5925144" "4811345" "5887001" "6181161" "5517637" "5995731" "6058255" "5737497" "5383143" "5774476" "5329471" "5596585" "5656953" "5715254" "5715255" "5732091" "5852364" "5880595" "5883524" "5938783" "6020772" "6055659" "6378095" "5734660" "6073260").pn. | US-PGPUB; USPAT | OR | ON | 2003/09/30 12:59 |
| S51 | 2 | "6519729" .pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/14 11:39 |
| S52 | 6839 | scan adj (test partition architecture path configuration) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/21 12:56 |

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|-----|------|---|---|----|----|------------------|
| S53 | 263 | (plural multiple) with scan adj path | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/20 07:58 |
| S54 | 263 | (scan adj (test partition architecture path configuration)) and(plural multiple) with scan adj path | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/20 07:58 |
| S55 | 263 | (scan adj (test partition architecture path configuration)) and (plural multiple) with scan adj path | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/20 07:58 |
| S56 | 76 | (scan adj (test partition architecture path configuration)) and (plural multiple) with scan adj path and ((external externally) with control) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/20 08:36 |
| S57 | 21 | (scan adj (test partition architecture path configuration)) and (plural multiple) with scan adj path and ((external externally) with control) and scan adj clock | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/20 08:39 |
| S58 | 21 | (scan adj (test partition architecture path configuration)) and (plural multiple) with scan adj path and ((external externally) with control) and scan adj clock and enable | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/20 11:12 |
| S59 | 21 | (plural multiple) with scan adj path and ((external externally) with control) and scan adj clock and enable | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/20 12:34 |
| S60 | 1400 | scan adj (test partition architecture path configuration) and "714"/\$. ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/21 12:56 |
| S61 | 289 | whetsel.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/22 11:16 |
| S62 | 140 | (scan adj path) near (plurality or multiple) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/22 11:17 |

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|-----|-----|--|---|----|----|------------------|
| S63 | 559 | (scan adj path) with (plurality or multiple) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/22 11:17 |
| S64 | 891 | (scan adj path) with (plurality or multiple or parallel) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/22 11:18 |
| S65 | 351 | (scan adj path) near (plurality or multiple or parallel) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/22 11:18 |
| S66 | 135 | (scan adj path) with (plurality or multiple or parallel) same clock | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/22 11:18 |
| S67 | 147 | ((scan adj path) with (plurality or multiple or parallel)) same (clock clocked clocking) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/10/22 11:19 |
| S68 | 7 | "997462" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/03 00:03 |
| S69 | 392 | (scan with path) and (clock with (independent seperate individual)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/03 00:06 |
| S70 | 758 | (scan with path) and ((clock clocked clocking) with (independent independently separately individually separate individual)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/03 00:07 |
| S71 | 354 | (scan with path) and ((clock clocked clocking) near2 (independent independently separately individually separate individual)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/03 00:07 |
| S72 | 71 | (scan with path) same ((clock clocked clocking) near2 (independent independently separately individually separate individual)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/03 12:59 |

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|-----|-------|---|---|----|----|------------------|
| S73 | 10 | "828728" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/03 13:00 |
| S74 | 79 | rusk.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/03 13:01 |
| S75 | 0 | rusk.in. and brinkley.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/05 10:53 |
| S76 | 6 | "783821" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/05 10:54 |
| S77 | 75260 | scan with (path clock input output enable) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 15:39 |
| S78 | 9800 | (scan with (path clock input output enable)).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 15:40 |
| S79 | 2189 | (scan with (path clock input output enable)).clm. and (scan with (path clock input output enable)).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 15:41 |
| S80 | 226 | (scan with (path clock input output enable)).clm. and (scan with (path clock input output enable)).ab. and (test near2 control) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 16:15 |
| S81 | 82 | (scan adj (path clock input output enable)).clm. and (scan adj (path clock input output enable)).ab. and (test near2 control) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 15:54 |
| S82 | 27 | (scan adj path).ab. and hideshow.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 15:54 |

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|-----|------|--|---|----|----|------------------|
| S83 | 1 | (scan adj path).ab. and hideshow.in. and toshiaki.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 16:00 |
| S84 | 4745 | parallel near2 scan | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 16:01 |
| S85 | 44 | (parallel near2 scan) and ((scan with (path clock input output enable)).clm. and (scan with (path clock input output enable)).ab. and (test near2 control)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 16:15 |
| S86 | 50 | (scan with (path clock input output enable)).clm. and (scan with (path clock input output enable)).ab. and (test near2 control) and decode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 16:15 |
| S87 | 10 | (parallel near2 scan) and ((scan with (path clock input output enable)).clm. and (scan with (path clock input output enable)).ab. and (test near2 control) and decode) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 16:30 |
| S88 | 694 | (multiple plural parallel) with scan adj path | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 16:31 |
| S89 | 80 | ((multiple plural parallel) with scan adj path) and decode and clock and enable | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 16:32 |
| S90 | 777 | scan adj enable | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 17:46 |
| S91 | 18 | scan adj enable and ((multiple plural parallel) with scan adj path) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 17:50 |
| S92 | 72 | scan adj enable and ((multiple plural parallel) near4 path) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/09 17:51 |

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| S93 | 22 | scan adj enable and ((multiple plural parallel) near4 path) and decode | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/17 07:17 |
| S94 | 2233 | scan with enable with (input output) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/17 07:20 |
| S95 | 477 | (scan with enable with (input output)) and "714"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/17 07:20 |
| S96 | 32 | (scan with enable with (input output)) and 714/729.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/17 07:23 |
| S97 | 23 | ((scan near2 enable) with (input output)) and 714/729.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/17 09:00 |
| S98 | 2 | (Maeno and Hideshi and hanibuchi and toshiaki).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/11/17 09:02 |
| S99 | 301 | whetsel.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/03 12:37 |
| S10 0 | 142 | whetsel.in. | US-PGPUB; USPAT | OR | ON | 2004/02/03 12:39 |
| S10 1 | 39 | whetsel.in. | US-PGPUB | OR | ON | 2004/02/03 14:16 |
| S10 2 | 2 | "6587985".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/03 14:17 |
| S10 3 | 178 | (scan adj path) near (plurality plural multiple) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/03/07 16:44 |

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| S10 4 | 108 | ((scan adj path) near (plurality or multiple)) and (connect\$ same (input or output)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/03/07 16:45 |
| S10 5 | 122 | ((scan adj path) near (plurality plural multiple)) and (connect\$ same (input or output)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/03/07 16:46 |
| S12 1 | 6 | "5001713".pn. "5905738".pn. "6131171".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/15 13:50 |
| S12 2 | 1632096 | protocol near "4" memory | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/15 15:00 |
| S12 3 | 7521 | protocol near4 memory | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/15 15:41 |
| S12 4 | 349 | (expected adj data) near4 memory | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/15 15:12 |
| S12 5 | 14 | ((expected adj data) near4 memory) and (protocol near4 memory) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/15 15:12 |
| S12 6 | 186 | whetsel.in. | US-PGPUB; USPAT | OR | ON | 2005/04/15 17:29 |
| S12 7 | 33 | (protocol near2 memory) and event and scan and (expected adj data) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/09 19:23 |
| S12 8 | 3382 | (scan scanning scanned) same serial same clock | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/21 19:16 |
| S12 9 | 648 | ((scan scanning scanned) same serial same clock) and protocol | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/21 19:17 |

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| S13 0 | 522 | ((scan scanning scanned) same serial same clock) and protocol and (compare compared comparing comparison) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/09 19:24 |
| S13 1 | 54 | ((scan scanning scanned) same serial same clock) and (protocol same event) and (compare compared comparing comparison) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/21 19:42 |
| S13 2 | 1137 | ((scan scanning scanned) and serial and clock) and (protocol same event) and (compare compared comparing comparison) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/21 19:34 |
| S13 3 | 1008 | ((scan scanning scanned) and serial and clock) and (protocol same event) and (compare compared comparing comparison) and (IC (integrated adj circuit) circuit) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/21 19:34 |
| S13 4 | 444 | ((scan scanning scanned) and serial and clock) and (protocol same event) and (compare compared comparing comparison) and ((IC (integrated adj circuit) circuit) same (test testing tested tester)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/21 19:42 |
| S13 5 | 271 | (protocol with event) same (compare compared comparing comparison) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/21 19:43 |
| S13 6 | 10 | ((protocol with event) same (compare compared comparing comparison)) and ((scan scanning scanned) and serial and clock) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/21 19:52 |
| S13 7 | 44 | ((protocol standard) with event) same (compare compared comparing comparison)) and ((scan scanning scanned) and serial and clock) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/23 17:54 |
| S13 8 | 19449 | (testing tested tester test) with event | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/22 12:18 |
| S13 9 | 3305 | scan and ((testing tested tester test) with event) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/09 19:22 |

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| S14 0 | 26 | ((((protocol standard) with event) same (compare compared comparing comparison)) and ((scan scanning scanned) and serial and clock) and event and protocol | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/23 18:26 |
| S14 1 | 20 | ((((protocol standard) with event) same (compare compared comparing comparison)) and ((scan scanning scanned) and serial and clock) and event and protocol and register | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/09 19:23 |
| S14 2 | 13 | ((((protocol standard) with event) same (compare compared comparing comparison)) and ((scan scanning scanned) and serial and clock) and event and protocol and register and shift | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/09 19:22 |
| S14 3 | 2 | "6704898".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/25 14:07 |
| S14 4 | 5 | Jody.in. and mccoys.in. | US-PGPUB; USPAT | OR | ON | 2005/04/26 15:51 |
| S14 5 | 3 | "5905738".pn. "6131171".pn. "5001713".pn. | USPAT | OR | ON | 2005/04/26 15:59 |
| S14 6 | 34 | whetsel.in. and mask | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/26 15:53 |
| S14 7 | 19 | whetsel.in. and mask | USPAT | OR | ON | 2005/04/26 15:53 |
| S14 8 | 5 | "5905738".pn. "6131171".pn. "5001713".pn. "5623500".pn. "5495487".pn. | USPAT | OR | ON | 2005/04/26 16:06 |
| S14 9 | 1 | whetsel.in. and harris.xa. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/06 11:11 |
| S15 0 | 7 | whetsel.in. and (britt harris).xa. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/06 14:53 |
| S15 2 | 2 | "20040117710" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/06 14:56 |

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| S15 3 | 122 | whetsel.in. | USPAT | OR | ON | 2005/06/23 11:22 |
| S15 4 | 13 | ((protocol standard) with event) same (compare compared comparing comparison)) and ((scan scanning scanned) and serial and clock) and event and protocol and register and shift | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/09 19:22 |
| S15 5 | 3377 | scan and ((testing tested tester test) with event) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/09 19:22 |
| S15 6 | 20 | ((protocol standard) with event) same (compare compared comparing comparison)) and ((scan scanning scanned) and serial and clock) and event and protocol and register | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/09 19:23 |
| S15 7 | 35 | (protocol near2 memory) and event and scan and (expected adj data) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/09 19:24 |
| S15 8 | 529 | ((scan scanning scanned) same serial same clock) and protocol and (compare compared comparing comparison) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/09 19:25 |
| S15 9 | 190 | whetsel.in. | US-PGPUB; USPAT | OR | ON | 2005/06/23 11:25 |
| S16 0 | 656 | 714/718.ccor. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/08 09:57 |
| S16 1 | 829 | 714/724.ccor. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/09 10:45 |
| S16 2 | 3126 | 714/724.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/09 10:45 |
| S16 3 | 2801 | 714/718.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/09 10:45 |

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| S16 4 | 2048 | "1149.1" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/09 10:52 |
| S16 5 | 184 | ("1149.1").ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/09 10:53 |
| S16 6 | 139 | ("1149.1").ab. and (TAP J\$TAG) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/09 11:00 |
| S16 7 | 21 | ("1149.1").ab. and (TAP J\$TAG) and domain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/09 11:12 |
| S16 8 | 8 | ("1149.1").ab. and (TAP (test adj access adj port)) and domain and J\$TAG | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/09 11:12 |
| S16 9 | 172 | ("1149.1") and (TAP (test adj access adj port)) and domain and J\$TAG | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/09 11:13 |
| S17 0 | 514 | ((("1149.1") J\$TAG) and (TAP (test adj access adj port)) and domain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/09 11:14 |
| S17 1 | 433 | ((("1149.1") J\$TAG) and (TAP (test adj access adj port)) and domain and (shift update) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/09 11:15 |
| S17 2 | 61 | ((("1149.1") J\$TAG) and ((TAP (test adj access adj port)) with domain) and (shift update) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/12 16:52 |
| S17 3 | 22 | ((("1149.1") J\$TAG) and ((TAP (test adj access adj port)) near3 domain) and (shift update) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/10 12:13 |

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|----------|----|---|---|----|----|------------------|
| S17 4 | 22 | ((("1149.1") J\$TAG) and ((TAP (test adj access adj port)) near3 domain) and (shift update) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/12 16:53 |
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